

Application No.: 10/695,655

Docket No.: JCLA8714

**REMARKS:****Present Status of Application**

The Office Action dated September 01, 2005, rejected claims 1-6 and 8-12 under 35 U.S.C. §102(b) as being anticipated by Jen et al. (Multifunctional Polymers for Electro-optic and Light-emitting Applications”).

Claim 1 has been amended, and new claim 20 has been added. No new matter has been added to the application by the amendments made to the specification, claims and drawings. This Amendment is promptly filed to place the above-captioned case in condition for allowance. After entering the amendments, a notice of allowance is respectfully solicited.

**Discussion for 35 USC §102 rejections**

*Claims 1-6 and 8-12 were rejected under 35 U.S.C. §102(b) as being anticipated by Jen et al. (Multifunctional Polymers for Electro-optic and Light-emitting Applications”).*

Claim 1 has been amended for clarification purposes, while limitations of the cancelled claim 7 has been added as the new claim 20.

Applicants submit that amended independent claim 1 patently defines over the prior references for at least the reason that the cited art fails to disclose each and every feature as claimed in the present invention.

As amended, independent claim 1 recites:

*Claim 1. An organic electroluminescent device, comprising:  
a transparent substrate;  
an anode, disposed on the transparent substrate;  
an organic electroluminescent layer, disposed on the anode; and*

Page 5 of 8

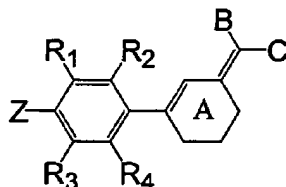
**BEST AVAILABLE COPY**

Application No.: 10/695,655

Docket No.: JCLA8714

a cathode, disposed on the organic electroluminescent layer, wherein a material of the organic electroluminescent layer is a compound represented by a following chemical structure (1):

(1)



wherein R<sub>1</sub>~R<sub>4</sub> are hydrogen, substituted or unsubstituted alkyl group, substituted or unsubstituted cycloalkyl group, substituted or unsubstituted alkyloxy group, substituted or unsubstituted alkenyl group, substituted or unsubstituted amino group, substituted or unsubstituted polycyclic aromatic group or a combination thereof; Z is a electron-donating group; A is substituted or unsubstituted cyclohexene or naphthalene group; and B and C are electron withdrawing groups.

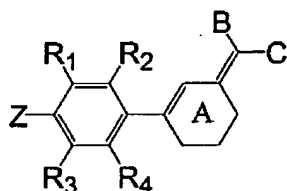
The reference Jen et al. merely discloses the approach for synthesizing nonlinear optical (NLO) side-chain aromatic polyquinolines. The resulting bipolar polymers containing a hole-transporting moiety tetraphenyldiaminobiphenyl (TPD) and a light-emitting moiety bis-quinoline are shown as TPD-PQ or TPD-PQE (in Scheme 2). Jen propose to spin coating the polymer to form a thin film of the side-chain polyquinoline on the ITO substrate (pp. 473, the last second paragraph) for EL devices.

The chemical structure (a) noted by the Office Action, is merely a possible functional group of the side-chain polyquinoline polymers taught by Jen et al..

However, the reference Jen et al. fails to teach or suggest at least an organic electroluminescent layer that *is made of* a compound with the following structure

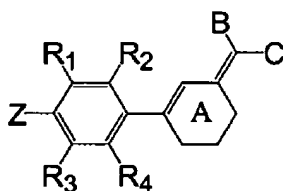
Application No.: 10/695,655

Docket No.: JCLA8714



, as recited in amended claim 1.

Accordingly, the independent claim 1 recites at least the feature "a material of the organic electroluminescent layer is a compound represented by a following chemical structure (1):



(1)

,....."

and clearly distinguishes the present invention over the cited references.

Dependent claims 2-6, 8-12 and 20 are submitted to be patentably distinguishable over the cited references for at least the same reasons as independent claim 1, from which these claims respectively depend, as well as for the additional features that these claims recite.

In view of the above amendment and discussions, reconsideration and withdrawal of these rejections under 35 USC 102(b) are respectfully requested.

Application No.: 10/695,655

Docket No.: JCLA8714

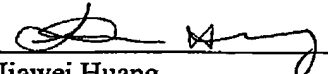
**CONCLUSION**

In view of the foregoing, it is believed that all pending claims are in proper condition for allowance. If the Examiner believes that a telephone conference would expedite the examination of the above-identified patent application, the Examiner is invited to call the undersigned.

Date: 12/1/2005

4 Venture, Suite 250  
Irvine, CA 92618  
Tel.: (949) 660-0761  
Fax: (949)-660-0809

Respectfully submitted,  
J.C. PATENTS

  
Jiawei Huang  
Registration No. 43,330